

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Juan, Puerto Rico

## MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

June

2013

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Althea Austin-Smith,  
Service Hydrologist

DATE

07/15/2013

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☐

An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan ASOS reported 11.29 inches of rain for the month of June; 6.88 inches greater than the normal of 4.41 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 4.38 inches for the month of June; 1.85 inches greater than the normal of 2.53 inches. The ASOS rainfall report from Christiansted Airport in St. Croix was 4.90 inches for the month of June; 2.59 inches greater than the normal of 2.31 inches.

*"June 2013 turned out to be the fourth wettest June on record at the San Juan Area, and the fifth wettest at Cyril E. King Airport/Saint Thomas, which was indicative of continued deep moisture transport and general troughiness over the area. Normally, June is a transition between the normally wet month of May, and drier weather before the peak of hurricane season. This was not the case in 2013."*

*(Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=jun2013cr>) for May's complete Climate Report.)*

Although the region experienced another drenching during the month of June, river flooding was not as extensive as expected since, as experienced in May, the majority of the flooding across Puerto Rico was urban, small stream and poor drainage flooding which led to numerous road closures and mudslides. The most serious flooding prompted the issuance of a Flash Flood Warning for Guaynabo, San Juan Metro, Guaynabo and Catano where many drivers were forced to abandon their vehicles due to stalled cars in rapidly rising waters. River flooding was also reported on the Rio Grande de Manati in Barceloneta and Manati towards the end of the month. No significant flooding was reported from the U.S. Virgin Islands.

*(Please see details in the [June "E3" Flood Crest Report](#) and the Local Storm Reports table below)*

See details of some flood reports in the LSR reports below:

Local Storm Reports for June 2013			
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
0250 PM 06/12/2013	FLOOD	GUAYNABO GUAYNABO	18.39N 66.11W PR EMERGENCY MNGR
EMERGENCY MNGR INDICATED SAN PATRICIO AREA...MARTINEZ NADAL AVE. AND FORT BUCHANAN FLOODED IN POOR DRAINAGE AREAS.			
0155 PM 06/27/2013	FLOOD	BARCELONETA MANATI	18.45N PR PUBLIC
ROAD PR-2 BETWEEN BARCELONETA AND MANATI WAS REPORTED FLOODED			
0210 PM 06/27/2013	FLOOD	BARCELONETA MANATI	18.45N 66.54W PR PUBLIC
ENTRANCE TO ESTANCIAS SECTOR IN BARCELONETA WAS REPORTED FLOODED.			
0243 PM 06/27/2013	FLOOD	BARCELONETA MANATI	18.45N 66.54W PR PUBLIC
FLOODING WAS REPORTED AT PR-2 IN FRONT OF ABBOT.			

The approximate amounts of Hydrologic Products issued during the month of June are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	3
Flash Flood Warnings (SJUFFWSJU)	1
Flash Flood Statements (SJUFFSSJU)	1
Urban/Small Stream Flood Advisories (SJUFLSSJU)	94

For monthly “radar totals” use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - [AHPS archive of radar totals/ images](#). Here are the [June 2013 totals](#).